

IN THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

- 1. **(Original)** A method of routing a wireless signal between two points, said method comprising the steps of:
- transmitting a wireless signal from an originating transmitter;
- receiving said wireless signal at a first set of repeating transceivers;
- in each said repeating transceiver, delaying said wireless signal by at least one predetermined delay and re-transmitting said wireless signal; and
- receiving said re-transmitted wireless signals at a destination receiver.
2. **(Original)** The method of claim 1, wherein the signal received at each said repeating transceiver is mixed to an intermediate frequency before said re-transmitting.
3. **(Original)** The method of claim 1, wherein the signal received at each said repeating transceiver is digitized before said re-transmitting.
4. **(Original)** The method of claim 1, wherein the signal received at each said repeating transceiver is processed through an FIR filter before said re-transmitting.
5. **(Original)** The method of claim 1, wherein the signal received at each said repeating transceiver is converted to an analog signal before said re-transmitting.

6. **(Original)** The method of claim 1, wherein the signal received at each said repeating transceiver is up-shifted in frequency before said re-transmitting.

7. **(Original)** The method of claim 1, wherein said predetermined delay is programmable.

8. **(Withdrawn)** An apparatus for dynamically routing wireless signals, said apparatus comprising:

 an plurality of spatially disparate transceivers, wherein each said transceiver comprises:

 a receiver for receiving a wireless signal;

 an A/D converter for digitizing said wireless signal;

 an FIR filter fed by said A/D converter;

 a D/A converter fed by said FIR filter; and

 a transmitter fed by said D/A converter;

 wherein said transceiver re-transmits said wireless signal after a predetermined delay.

9. **(Withdrawn)** The apparatus of claim 8, wherein said transceiver further comprises a frequency down-shifting mixer and a frequency up-shifting mixer.

10. **(Withdrawn)** The apparatus of claim 9, wherein said frequency down-shifting mixer is connected between the output of said receiver and the input of said A/D converter.
11. **(Withdrawn)** The apparatus of claim 9, wherein said frequency up-shifting mixer is connected between the output of said D/A converter and the input of said transmitter.
12. **(Withdrawn)** The apparatus of claim 9, wherein said transmitter comprises said frequency up-shifting mixer.
13. **(Withdrawn)** The apparatus of claim 9, wherein said transceiver further comprises a local oscillator coupled to said down-shifting mixer for down-shifting the frequency of said wireless signal.
14. **(Withdrawn)** The apparatus of claim 8, wherein said transceiver further comprises a low pass filter connected between the output of said receiver and the input of said A/D converter.

15. **(Original)** A transceiver for use in a system for dynamically routing wireless signals, said transceiver comprising:

means for receiving a wireless signal;

means for modulating said wireless signal, said modulating means coupled to said receiving means;

means for digitizing said wireless signal, said digitizing means coupled to said modulating means;

means for delaying transmission of said wireless signal, said delaying means coupled to said digitizing means;

means for amplifying said wireless signal, said amplifying means coupled to said delaying means; and

means for transmitting said wireless signal, said transmitting means coupled to said amplifying means.

16. **(Original)** A method of routing a wireless signal between two points, said method comprising the steps of:

transmitting a wireless signal as a plurality of wireless signals;

receiving said plurality of wireless signals at a repeating transceiver as a received plurality of wireless signals;

in said repeating transceiver, delaying each of said plurality of wireless signals by a separately predetermined delay to produce a set of delayed wireless signals;

combining said delayed wireless signals into a reconstituted wireless signal; and

re-transmitting said reconstituted wireless signal.

17. **(Original)** The method of claim 16, wherein each of said received plurality of wireless signals is mixed to an intermediate frequency before being delayed by said separately predetermined delay.
18. **(Original)** The method of claim 16, wherein each wireless signal received at each said repeating transceiver is digitized before said re-transmitting.
19. **(Original)** The method of claim 16, wherein each wireless signal received at each said repeating transceiver is processed through an FIR filter before said re-transmitting.
20. **(Original)** The method of claim 16, wherein each wireless signal received at each said repeating transceiver is converted to an analog signal before said re-transmitting.
21. **(Original)** The method of claim 16, wherein said reconstituted wireless signal at each said repeating transceiver is up-shifted in frequency before said re-transmitting.
22. **(Original)** The method of claim 16, wherein each of said separately predetermined delays is programmable.--